

Case No. : <u>GTS20221226014-1-2</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.1.12</u>	Test Engineer: <u>Jenny zeng</u>

Appendix A.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.040	2408.480	2415.520	0.5	PASS
		2437	7.040	2433.960	2441.000	0.5	PASS
		2462	7.080	2458.440	2465.520	0.5	PASS
11G	Ant1	2412	15.120	2404.480	2419.600	0.5	PASS
		2437	13.800	2430.720	2444.520	0.5	PASS
		2462	13.800	2455.760	2469.560	0.5	PASS
11N20SISO	Ant1	2412	15.080	2404.480	2419.560	0.5	PASS
		2437	13.840	2429.480	2443.320	0.5	PASS
		2462	15.080	2454.440	2469.520	0.5	PASS
11N40SISO	Ant1	2422	35.200	2404.400	2439.600	0.5	PASS
		2437	33.920	2420.680	2454.600	0.5	PASS
		2452	33.920	2435.680	2469.600	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



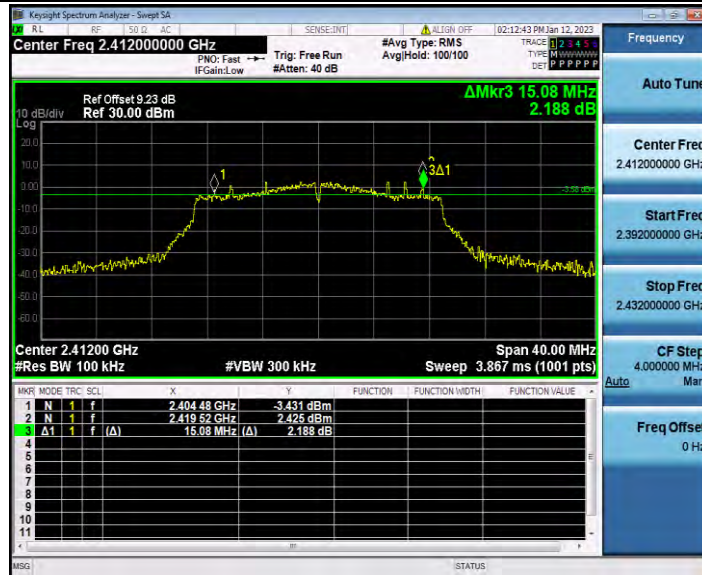
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



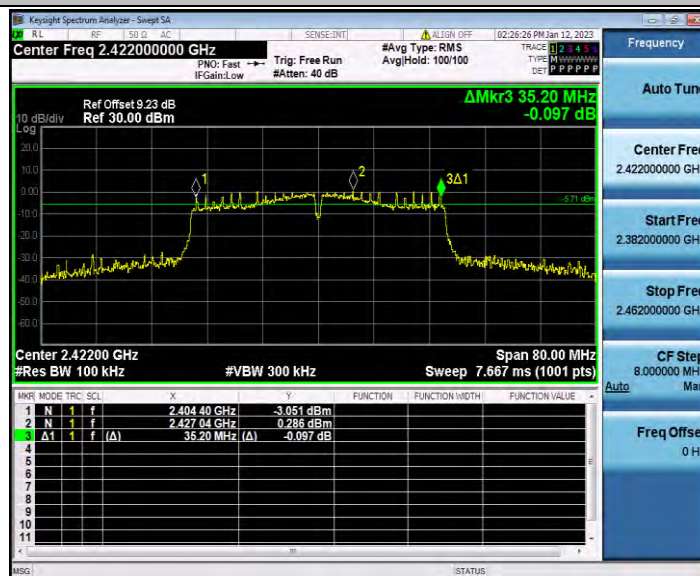
11N20SISO_Ant1_2437



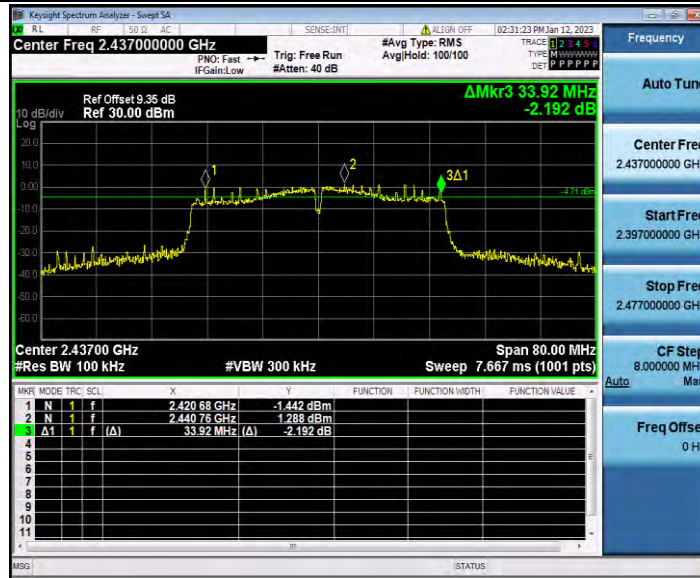
11N20SISO_Ant1_2462



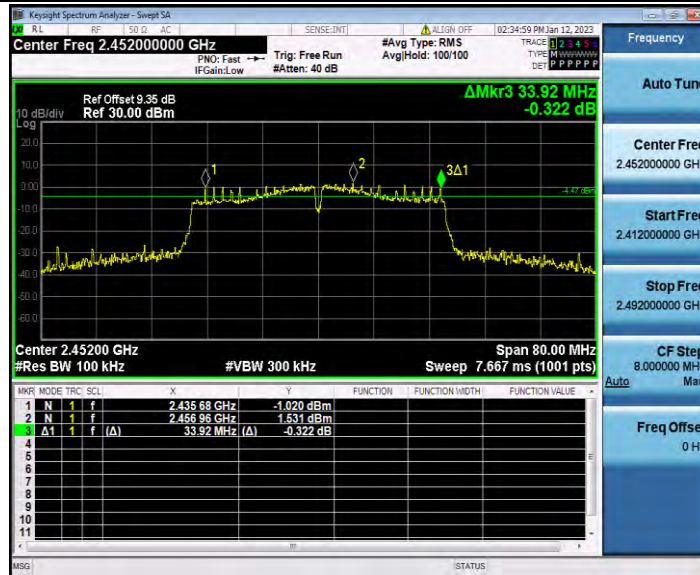
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.596	2406.277	2417.873	---	---
		2437	11.589	2431.321	2442.910	---	---
		2462	11.711	2456.183	2467.894	---	---
11G	Ant1	2412	16.987	2403.501	2420.488	---	---
		2437	17.029	2428.558	2445.587	---	---
		2462	16.795	2453.606	2470.401	---	---
11N20SISO	Ant1	2412	17.911	2403.065	2420.976	---	---
		2437	18.042	2428.071	2446.113	---	---
		2462	17.813	2453.101	2470.914	---	---
11N40SISO	Ant1	2422	36.136	2404.040	2440.176	---	---
		2437	36.098	2419.083	2455.181	---	---
		2452	36.089	2434.055	2470.144	---	---

Test Graphs

11B_Ant1_2412



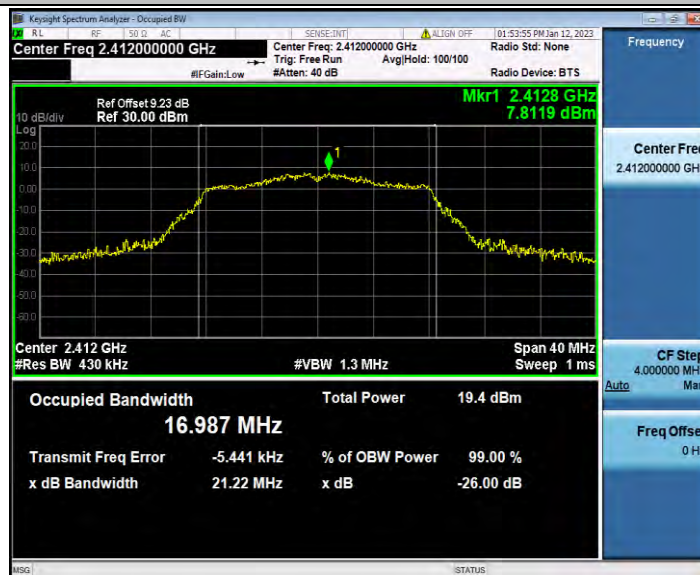
11B_Ant1_2437



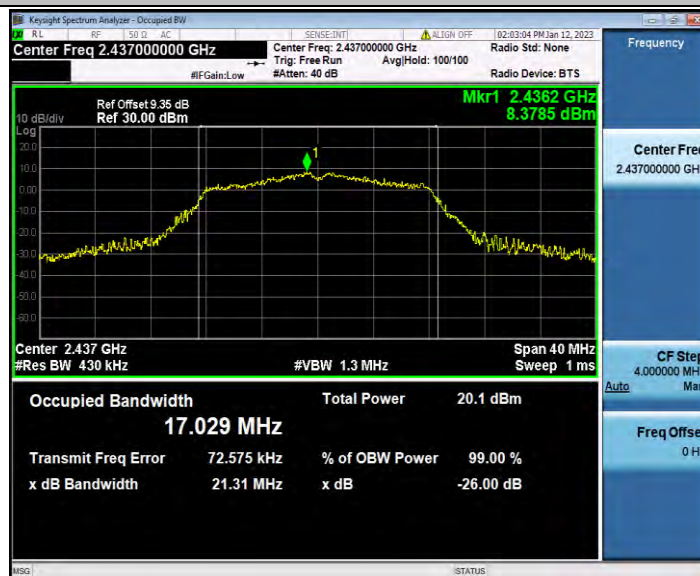
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



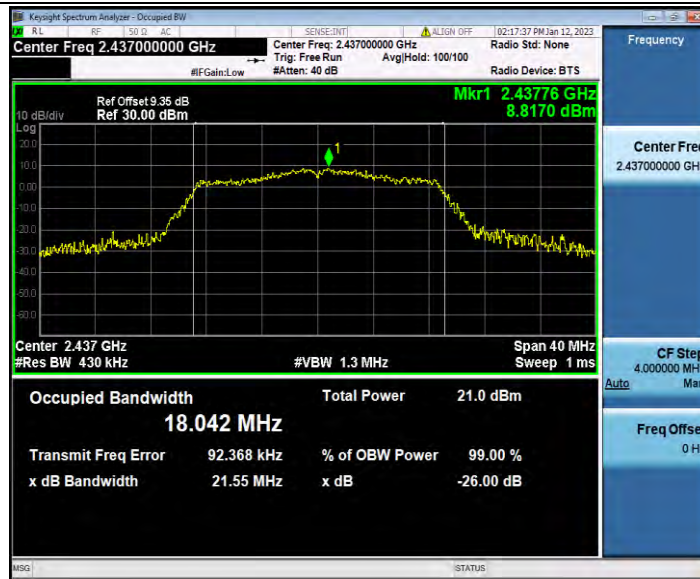
11G_Ant1_2462



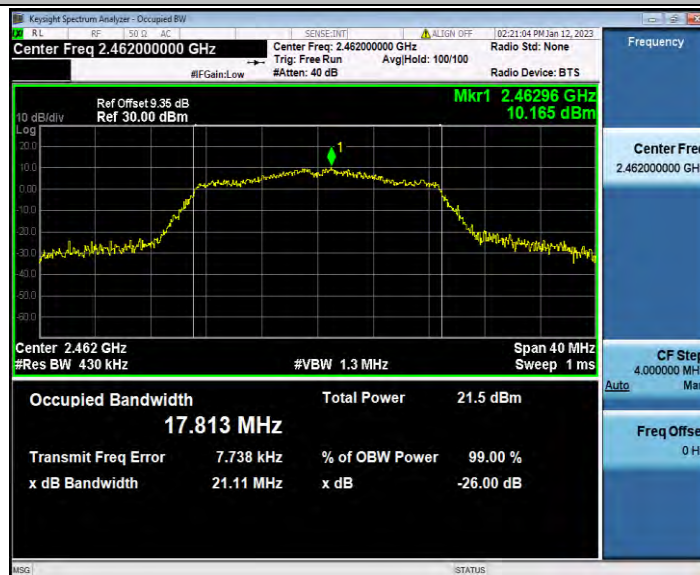
11N20SISO_Ant1_2412



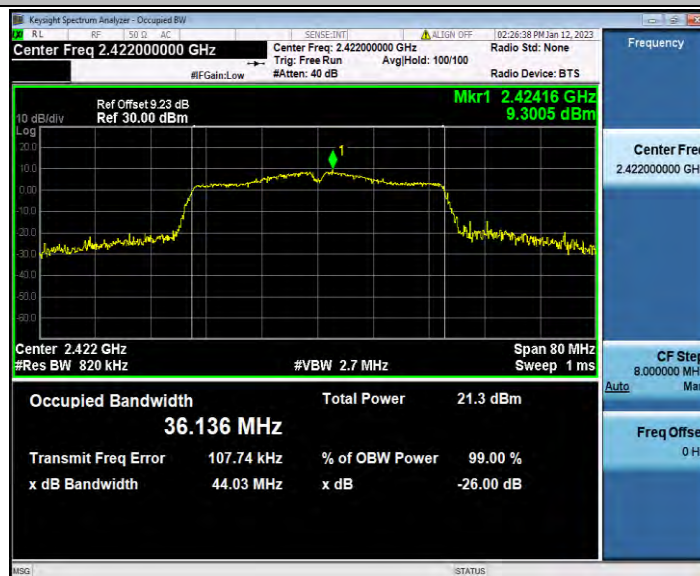
11N20SISO_Ant1_2437



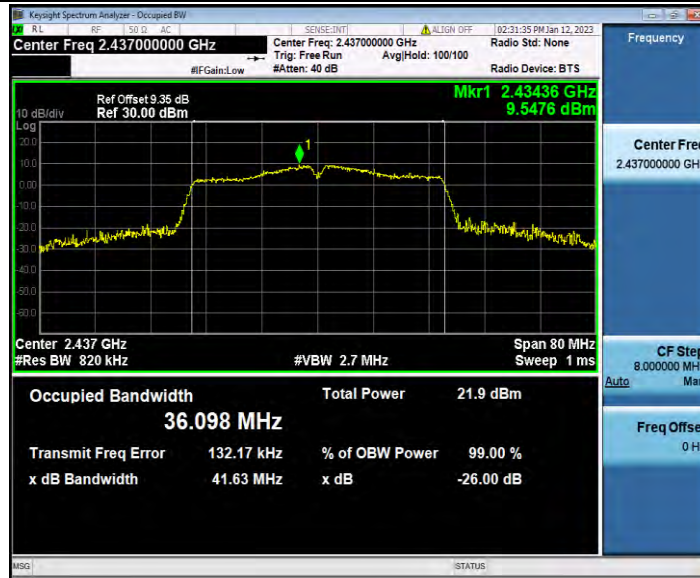
11N20SISO_Ant1_2462



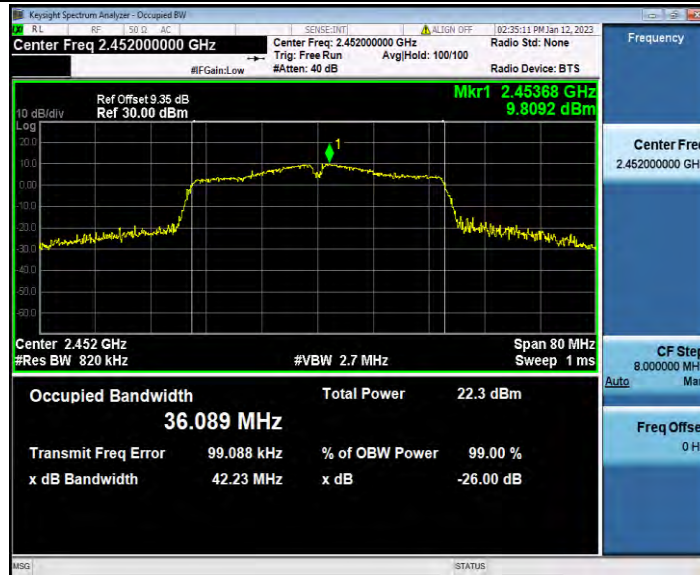
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	16.24	≤30.00	PASS
		2437	16.86	≤30.00	PASS
		2462	17.47	≤30.00	PASS
11G	Ant1	2412	20.61	≤30.00	PASS
		2437	21.45	≤30.00	PASS
		2462	22.11	≤30.00	PASS
11N20SISO	Ant1	2412	21.27	≤30.00	PASS
		2437	22.09	≤30.00	PASS
		2462	22.67	≤30.00	PASS
11N40SISO	Ant1	2422	21.64	≤30.00	PASS
		2437	22.20	≤30.00	PASS
		2452	22.70	≤30.00	PASS

Appendix A.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.11	≤8.00	PASS
		2437	-8.17	≤8.00	PASS
		2462	-8	≤8.00	PASS
11G	Ant1	2412	-9.28	≤8.00	PASS
		2437	-9.13	≤8.00	PASS
		2462	-7.9	≤8.00	PASS
11N20SISO	Ant1	2412	-9.29	≤8.00	PASS
		2437	-9.12	≤8.00	PASS
		2462	-7.45	≤8.00	PASS
11N40SISO	Ant1	2422	-11.73	≤8.00	PASS
		2437	-10.88	≤8.00	PASS
		2452	-10.06	≤8.00	PASS

Test Graphs

11B_Ant1_2412



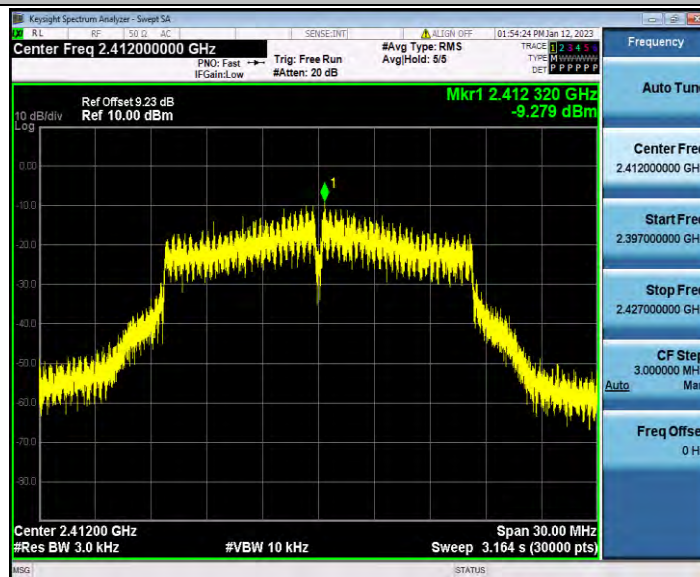
11B_Ant1_2437



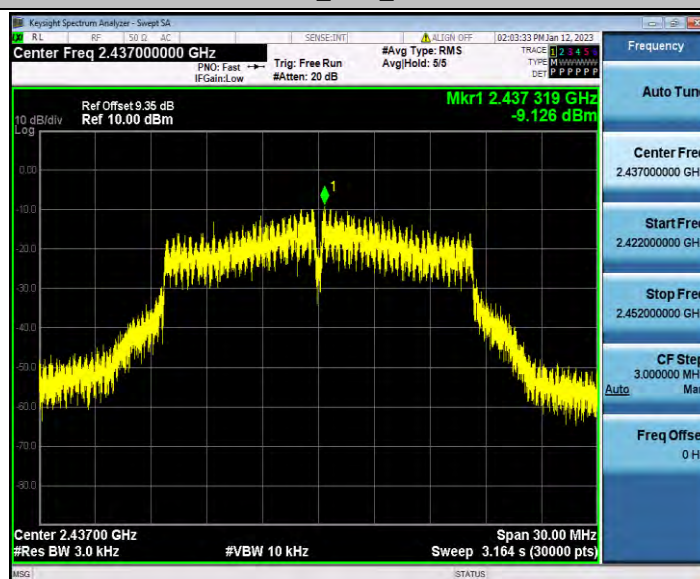
11B_Ant1_2462



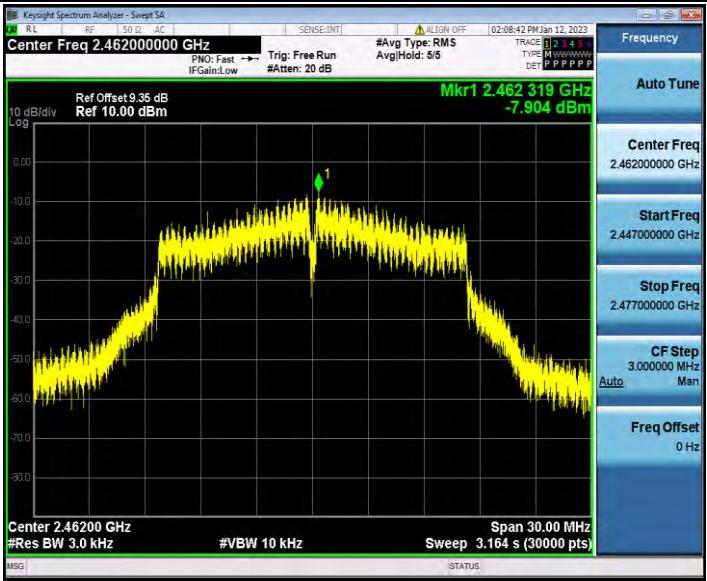
11G_Ant1_2412



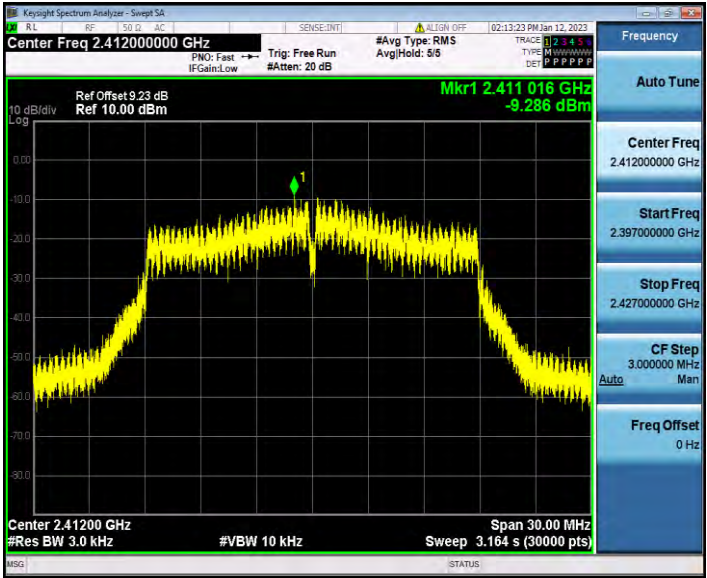
11G_Ant1_2437



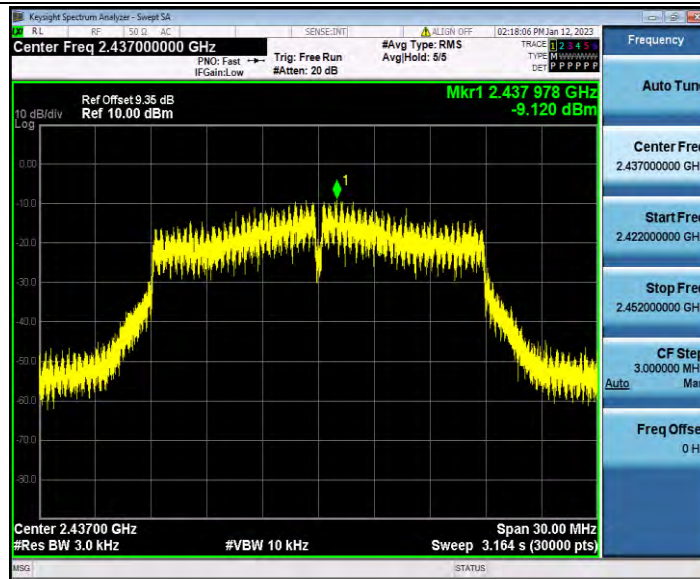
11G_Ant1_2462



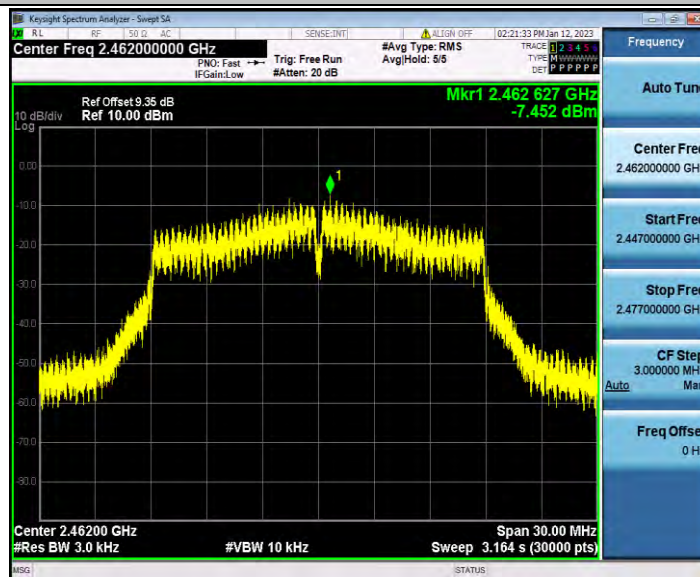
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



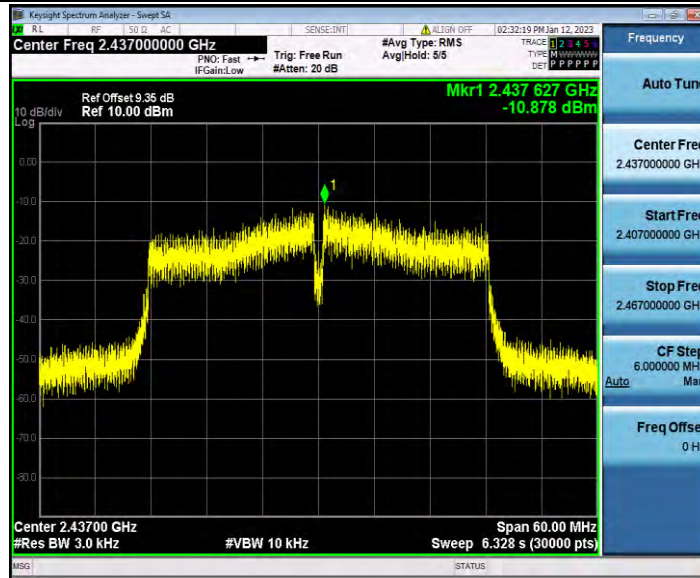
11N20SISO_Ant1_2462



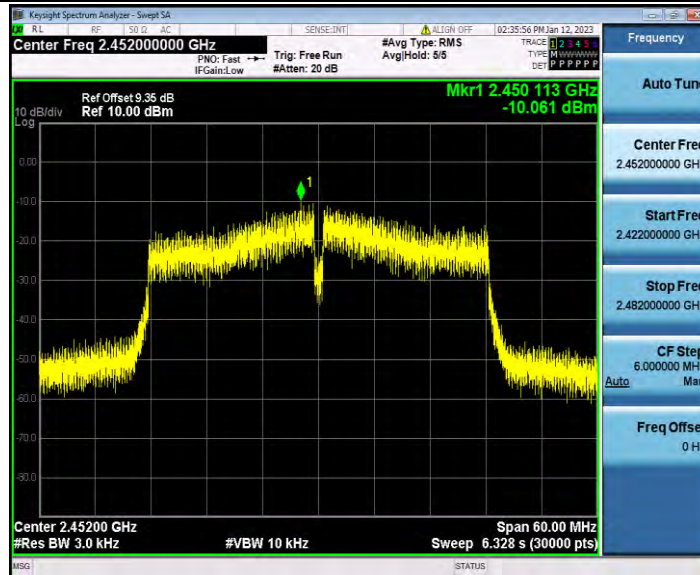
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



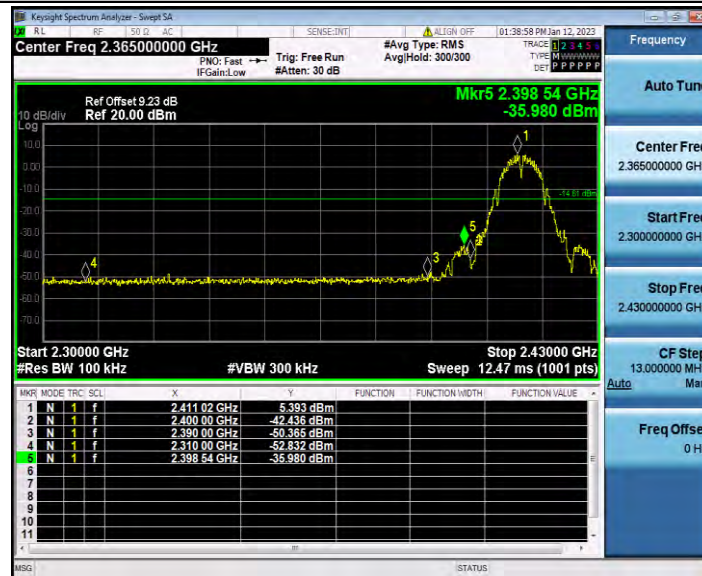
Appendix A.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.39	-35.98	≤ -14.61	PASS
		High	2462	6.59	-46.98	≤ -13.41	PASS
11G	Ant1	Low	2412	1.91	-31.97	≤ -18.09	PASS
		High	2462	3.40	-40.87	≤ -16.6	PASS
11N20SISO	Ant1	Low	2412	2.64	-31.28	≤ -17.36	PASS
		High	2462	4.22	-37.94	≤ -15.78	PASS
11N40SISO	Ant1	Low	2422	0.40	-27.18	≤ -19.6	PASS
		High	2452	1.74	-29.83	≤ -18.27	PASS

Test Graphs

11B_Ant1_Low_2412



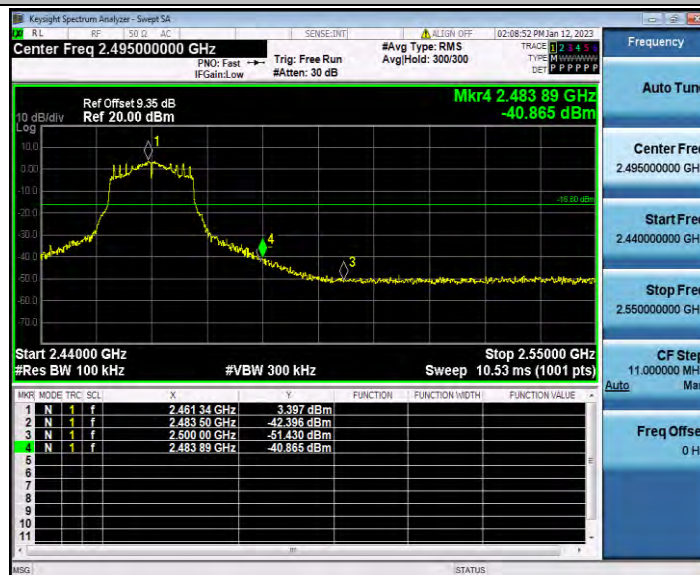
11B_Ant1_High_2462



11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



Appendix A.6: Conducted Spurious Emission

Test Result

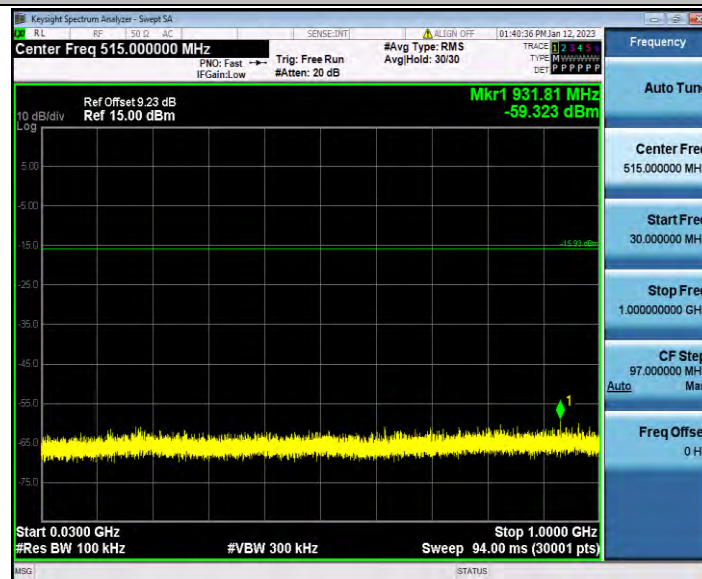
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.07	4.07	---	PASS
			30~1000	4.07	-59.32	≤ -15.93	PASS
			1000~26500	4.07	-47.78	≤ -15.93	PASS
		2437	Reference	4.00	4.00	---	PASS
			30~1000	4.00	-59.42	≤ -16	PASS
			1000~26500	4.00	-47.24	≤ -16	PASS
		2462	Reference	4.21	4.21	---	PASS
			30~1000	4.21	-59.89	≤ -15.79	PASS
			1000~26500	4.21	-47.11	≤ -15.79	PASS
11G	Ant1	2412	Reference	0.79	0.79	---	PASS
			30~1000	0.79	-60.6	≤ -19.21	PASS
			1000~26500	0.79	-47.75	≤ -19.21	PASS
		2437	Reference	2.57	2.57	---	PASS
			30~1000	2.57	-59.86	≤ -17.43	PASS
			1000~26500	2.57	-47.57	≤ -17.43	PASS
		2462	Reference	3.62	3.62	---	PASS
			30~1000	3.62	-60.75	≤ -16.38	PASS
			1000~26500	3.62	-47.73	≤ -16.38	PASS
11N20SISO	Ant1	2412	Reference	1.25	1.25	---	PASS
			30~1000	1.25	-59.86	≤ -18.75	PASS
			1000~26500	1.25	-47.56	≤ -18.75	PASS
		2437	Reference	3.10	3.10	---	PASS
			30~1000	3.10	-60.37	≤ -16.9	PASS
			1000~26500	3.10	-45.02	≤ -16.9	PASS
		2462	Reference	3.82	3.82	---	PASS
			30~1000	3.82	-60.59	≤ -16.18	PASS
			1000~26500	3.82	-47.19	≤ -16.18	PASS
11N40SISO	Ant1	2422	Reference	-0.50	-0.50	---	PASS
			30~1000	-0.50	-59.86	≤ -20.5	PASS
			1000~26500	-0.50	-47.59	≤ -20.5	PASS
		2437	Reference	0.89	0.89	---	PASS
			30~1000	0.89	-60.56	≤ -19.11	PASS
			1000~26500	0.89	-47.99	≤ -19.11	PASS
		2452	Reference	0.62	0.62	---	PASS
			30~1000	0.62	-60.36	≤ -19.38	PASS
			1000~26500	0.62	-47.16	≤ -19.38	PASS

Test Graphs

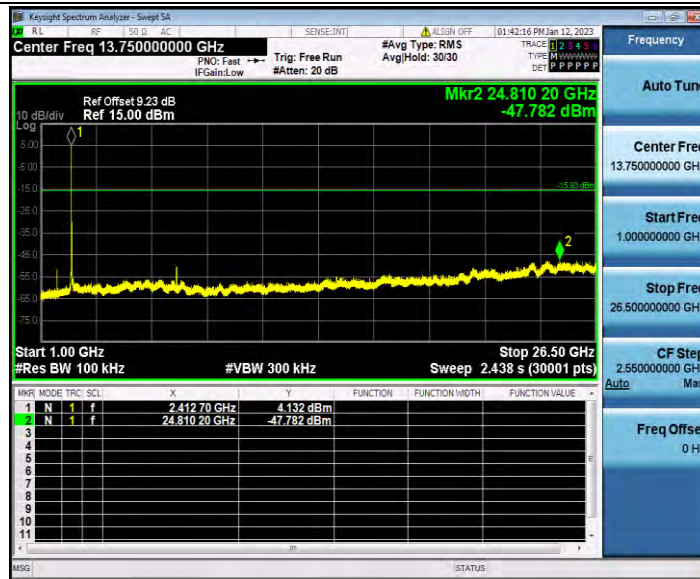
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



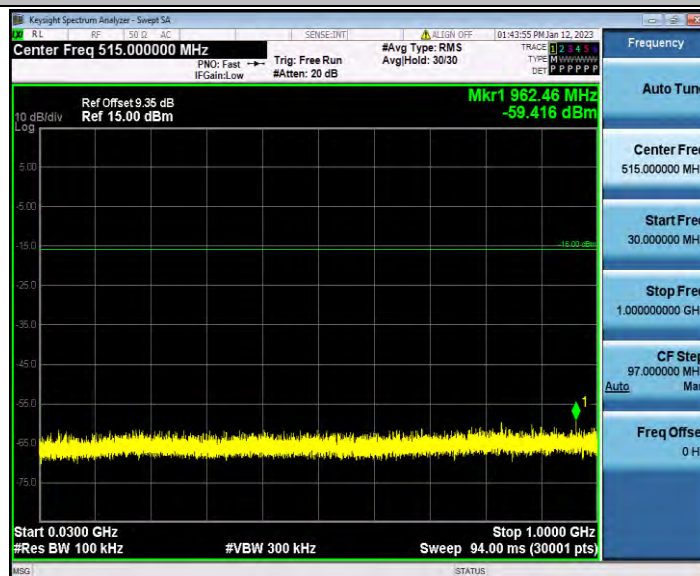
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



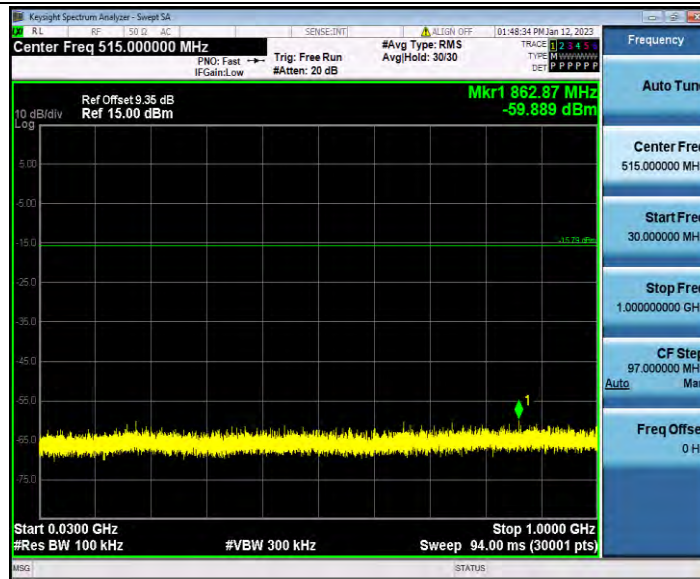
11B_Ant1_2437_1000~26500



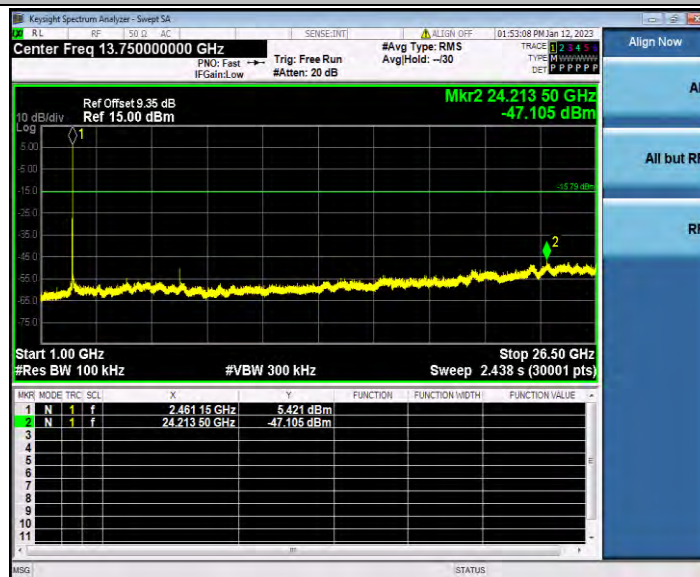
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



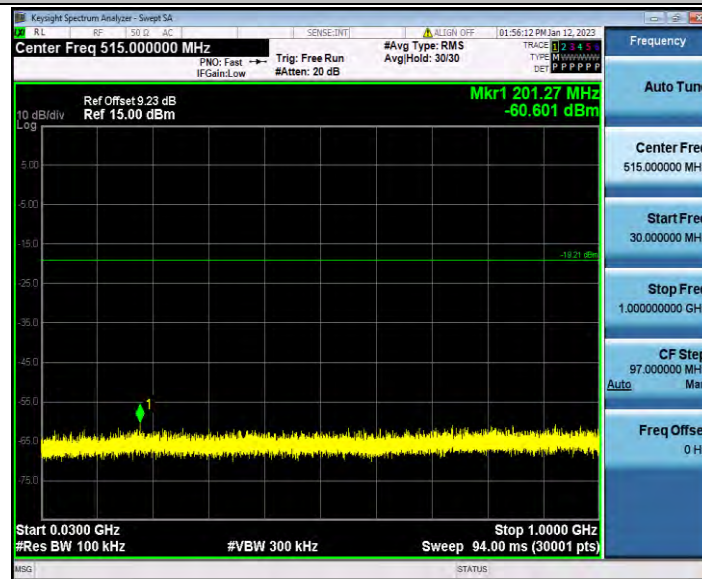
11B_Ant1_2462_1000~26500



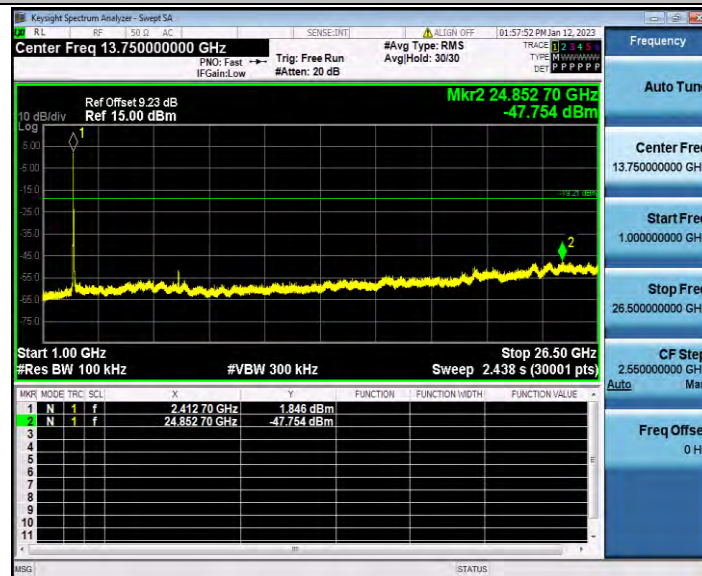
11G_Ant1_2412_0~Reference



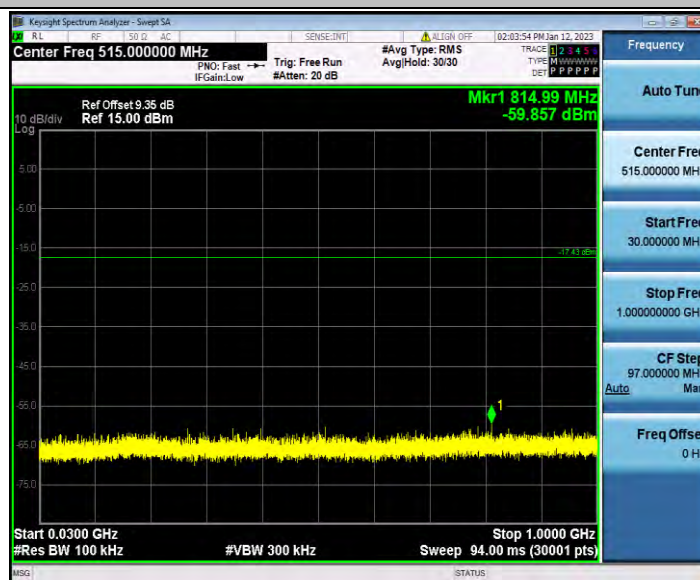
11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



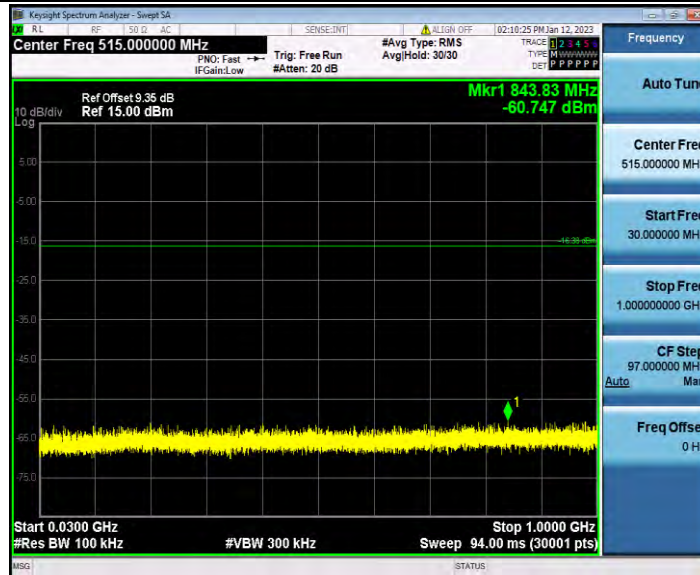
11G_Ant1_2437_0~Reference



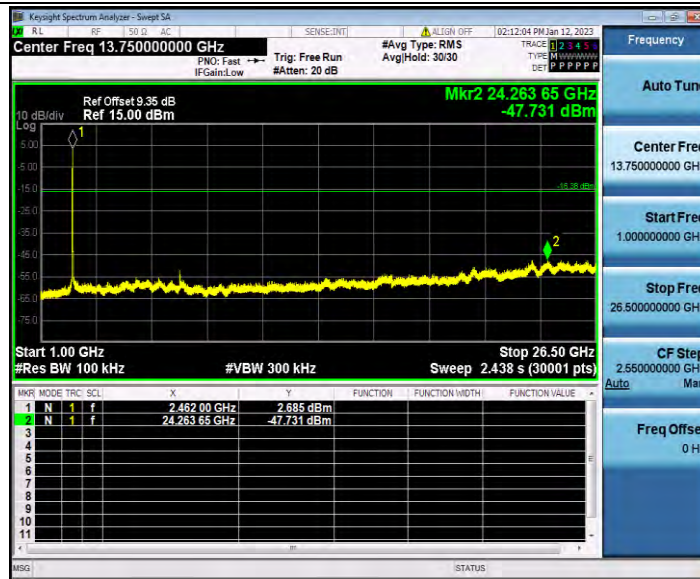
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



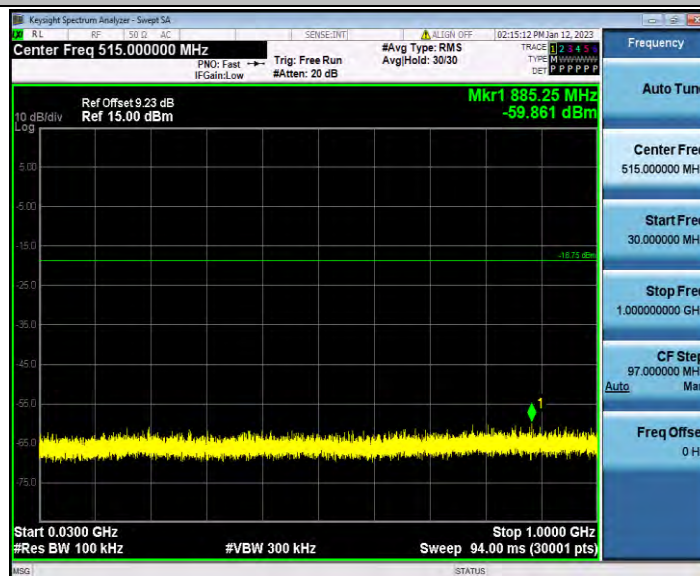
11G_Ant1_2462_1000~26500



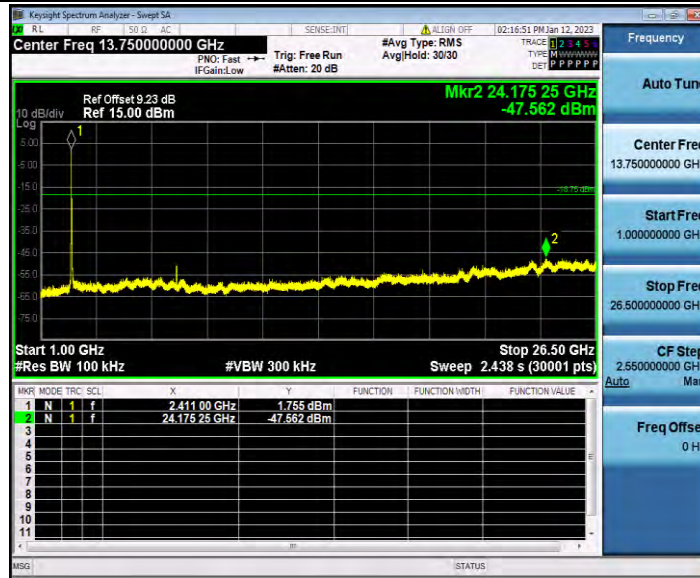
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



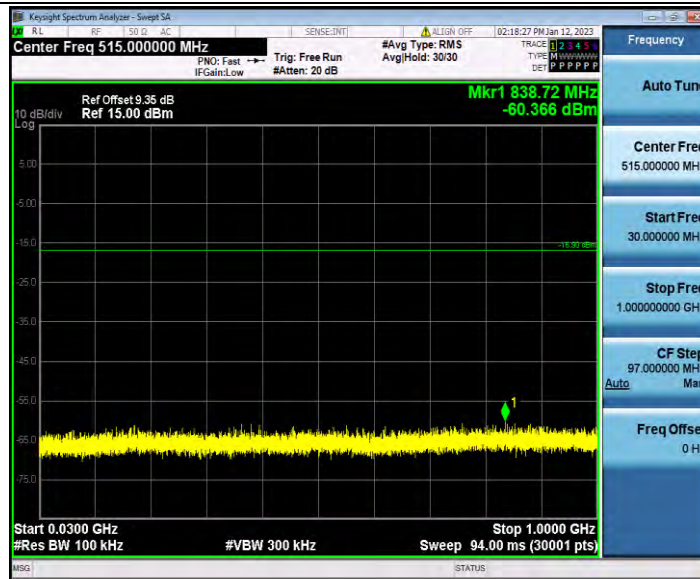
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



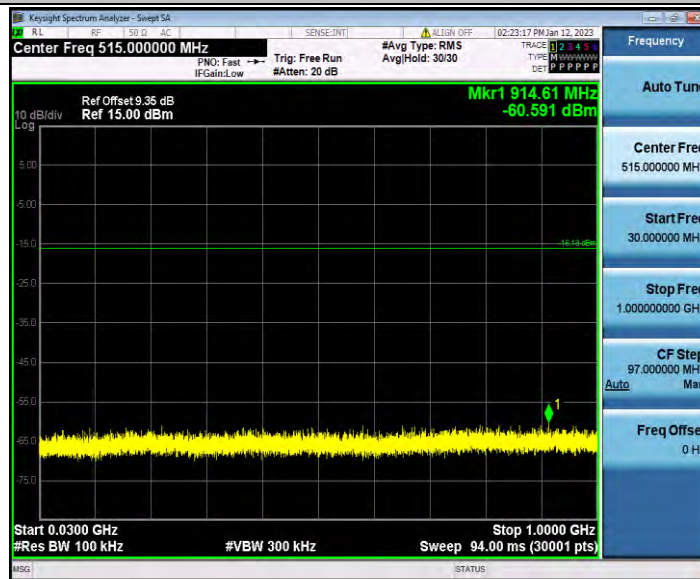
11N20SISO_Ant1_2437_1000~26500



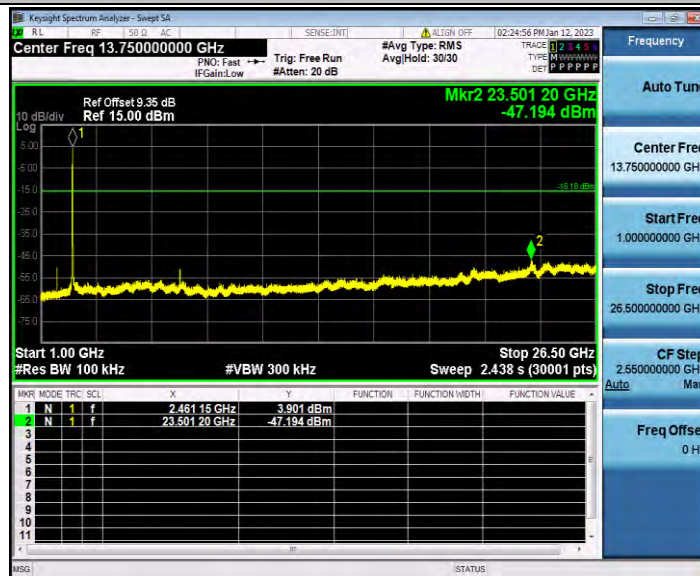
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



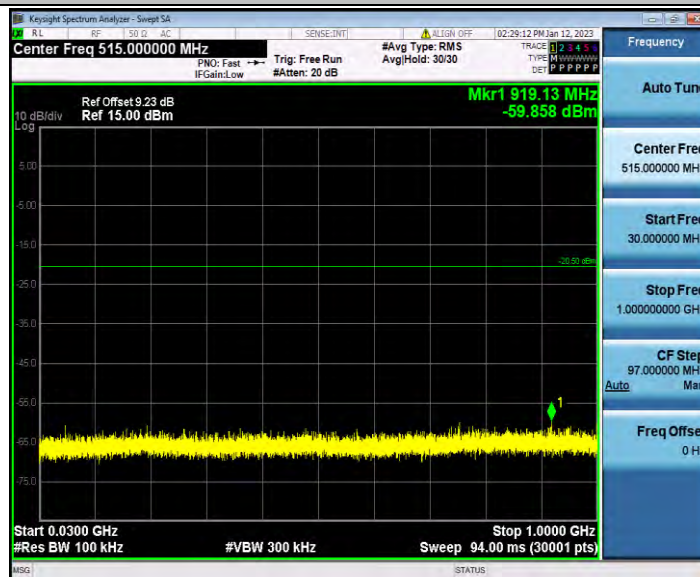
11N20SISO_Ant1_2462_1000~26500



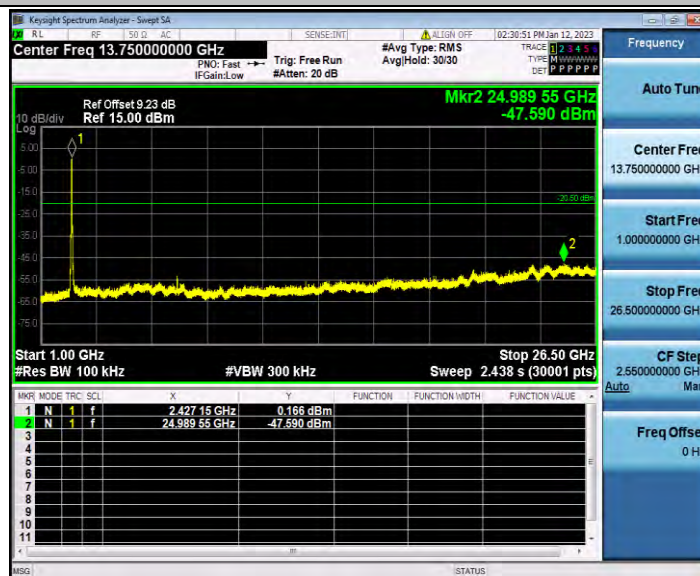
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



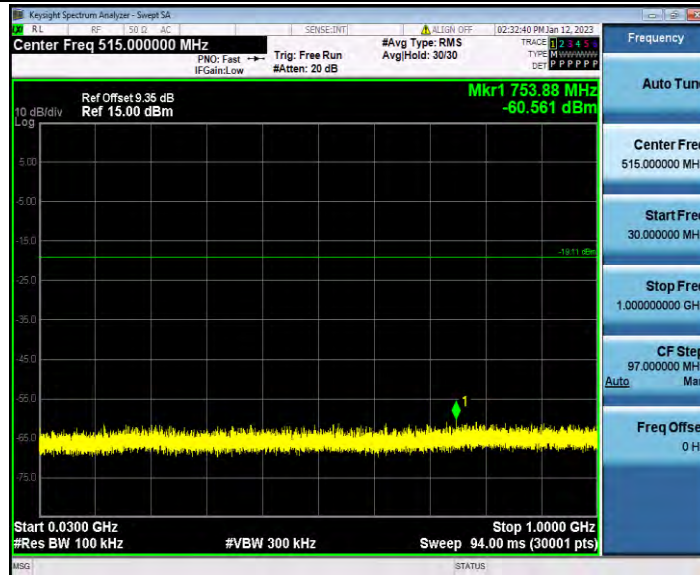
11N40SISO_Ant1_2422_1000~26500



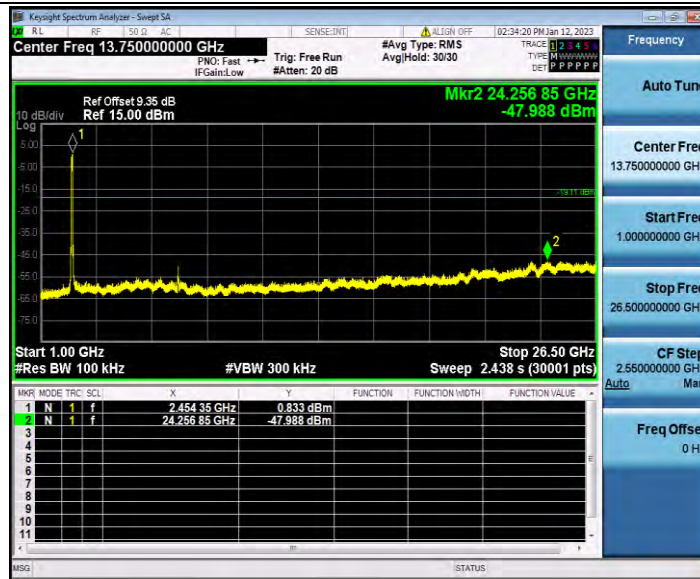
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



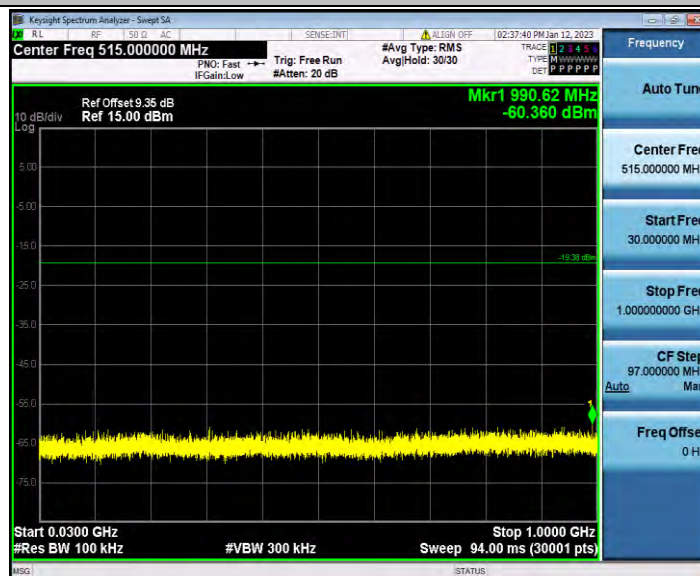
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500

